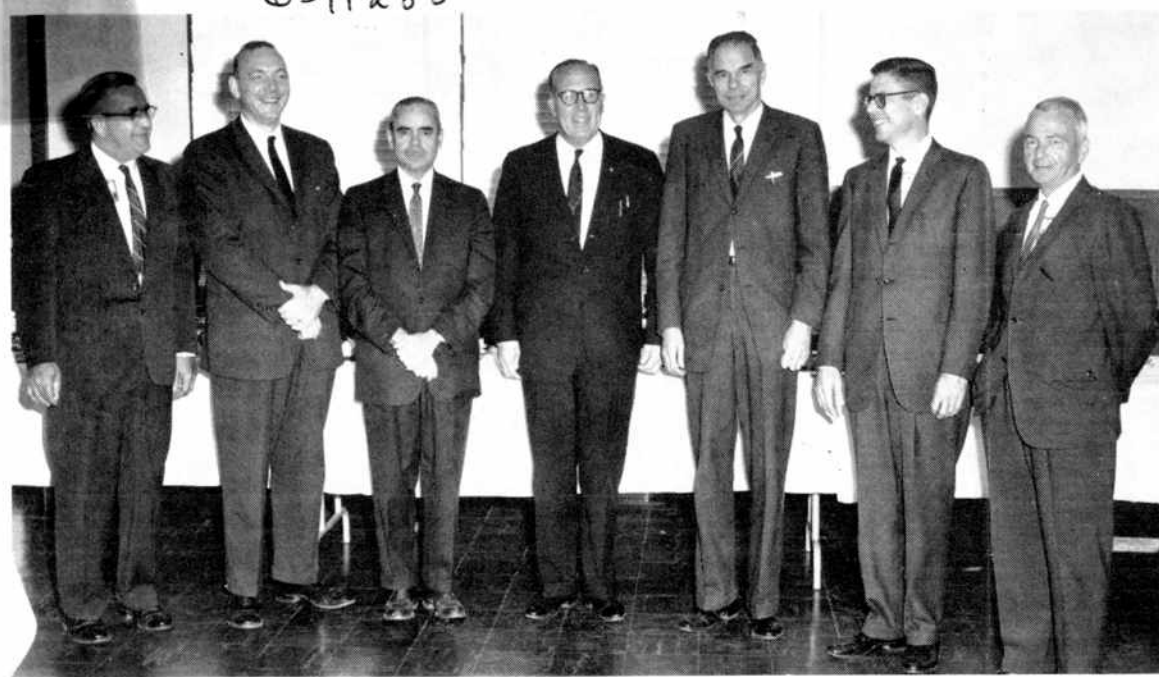


Martin L. Nygard Retires After 36 Years With Carbide



UNION CARBIDE NUCLEAR OFFICIALS hosted a luncheon last week in Y-12 honoring Glenn T. Seaborg, Chairman of the United States Atomic Energy Commission, who was visiting in the plant. From left are Clark E. Center, UCNC vice president; Dr. Arnold R. Fritsch, from Dr. Seaborg's AEC staff in Washington; Sam R. Sapirie, manager Oak Ridge Operations office of the AEC; Dr. Clarence E. Larson, UCNC vice president; Dr. Seaborg; Y-12 Plant Superintendent Roger F. Hibbs and John P. Murray, UCNC manager of operations.

Secretaries Will Hear Dannenberg



Konrad Dannenberg

The Ninth Annual Secretaries Boss Night will be held at the C'est Bon Club, Knoxville, Saturday, November 10. More than 100 bosses, wives, secretaries, husbands, friends and special guests are expected at the affair. Special guest and dinner speaker will be Konrad K. Dannenberg, Deputy Director, Saturn Systems Office of NASA's Marshall Space Flight Center, Huntsville, Alabama. He will speak on "The Way-Up." Dannenberg was born in Germany and received his MS Degree in Mechanical Engineering from the Technical University at Hannover. He was working on rocket and missile research and development in Germany when in 1945, he and some 120 other German-born scientists joined the Army Ordnance team and came to the United States. Since that time, he has helped develop this country's Jupiter missile system. Presently, he assists in policy determination, serves as senior engineer and consultant on tract operations, and performs liaison with private industry. Mrs. Dannenberg will accompany him.

Continued on Page 4

Glenn T. Seaborg, Chairman, United States Atomic Energy Commission, Visits Y-12 Plant

Early Research Pioneer Among Co-Discoverers Of Transuranium Elements, U-233 Isotope

Glenn T. Seaborg, Chairman of the United States Atomic Energy Commission, and Nobel Laureate in Chemistry, visited Y-12 last Wednesday, October 31. It was Dr. Seaborg's first visit to the plant since he became head of the AEC.

An early pioneer in atomic research, Dr. Seaborg in 1939, became one of the co-discoverers of element 94, plutonium, the first of a number of transuranium elements which he was to help discover during the next 18 years. Dr. Seaborg attended the University of California at Los Angeles and was elected to Phi Beta Kappa there in his junior year. He received his degree in chemistry in 1934, and entered the University of California at Berkeley where he received his PhD in chemistry in 1937. He worked briefly on the campus there, assistant to the late Dr. G. N. Lewis, then dean of the College of Chemistry.

After becoming an instructor at Berkeley, Chairman Seaborg was named to assistant professorship in chemistry at the University and in 1941 became co-discoverer of nuclear energy isotope, plutonium-239. Also, in 1941, he helped discover the uranium isotope U-233. In 1942 he became co-discoverer of the long-lived isotope of neptunium, element 93,

and of the existence in nature of plutonium in extremely small concentrations.

Worked On Manhattan Project

In April of 1942, Dr. Seaborg was given a leave of absence from Berkeley to head the plutonium work of the Manhattan Project at the University of Chicago Metallurgical Laboratory. He remained at the laboratory until May, 1946, as chief of the section working on transuranium elements. One of his principal responsibilities there was directing the development of the chemical process which was used for the separation of plutonium from fuel elements irradiated in the production reactors at the Hanford installation at Richland, Washington. While at Argonne, Dr. Seaborg, along with his associates, discovered two more transuranium elements, number 95, americium, and 96, curium, both in 1944.

Other elements the scientist has had direct responsibilities in uncovering are 97, berkelium, 98, californium, 99, einsteinium, 100, fermium, 101, mendelevium and 102, lawrencium.

Nuclear Research At LRL

In 1945, although still on leave from the University of California, Dr. Seaborg was promoted from assistant to full professor of chemistry at the Berkeley campus. In May, 1946, he returned to the University and also took the responsibility for the direction of nuclear chemical research at Lawrence Radiation Laboratory, operated for the Atomic Energy Commission by the University.

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
51 Days Or
1,618,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through November 4
Phone 7755
For Daily Report
On Accident-Free Hours

Came With UCC At Electromet Plant, Duluth, Minn. April, 1926

Veteran Y-12er To Move To Minnesota Farm Country, Returning To Native Soil To Enjoy Life

Retiring last week was "Mr. Carbide" himself, Martin L. Nygard. He became the 13th Y-12 retiree for 1962 and the 109th to retire since Carbide began operations here in 1947.

Marking more than 36 and one-half years with Union Carbide, Martin Lars Nygard, Material Foreman, in the Dispatching Department, is well qualified to bear the name "Mr. Carbide." The retired Nygard was born near Underwood, Minnesota of Norwegian parents. He lived and worked on his father's farm during his early days on the plains of Minnesota.

Mr. Nygard began his illustrious span of years with Carbide on April 16, 1926, at the Electromet Plant, Duluth, Minnesota. He transferred to Oak Ridge March 3, 1944, to help plan and start up the Oak Ridge Gaseous Diffusion Plant. "Those were the days," he recalls. "The first day I was to report to work I dressed up in my best suit. On the way to the bus station a car came flying through the mud and fixed me up good. I had to go back to the dormitory and change. That was the last time during those days that I dressed up in Oak Ridge!"

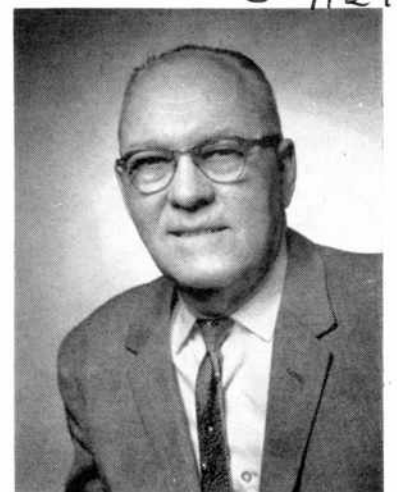
He transferred to Y-12 June 1, 1961.

Beginning his UCC career, Nygard was first furnace foreman at the Electromet Plant and worked there for almost 20 years before coming to this area. He supervised the manufacture of high grade steel.

Active In Sports

Since his early school days in Minnesota, Mr. Nygard has been an active participant in many sports. He played baseball for a local club. He bowled for years in plant leagues after coming to Oak Ridge with a 158 average. He is one of the few Oak Ridgeers ever to make the difficult 7-10 split on the alleys.

The Nygards live at 105 Poplar Road, Oak Ridge, and have three children. One son Myron operates a service station near Norris. One of his daughters Luella Henegar (married to Obie Henegar) lives in Oak Ridge. The



MARTIN L. NYGARD

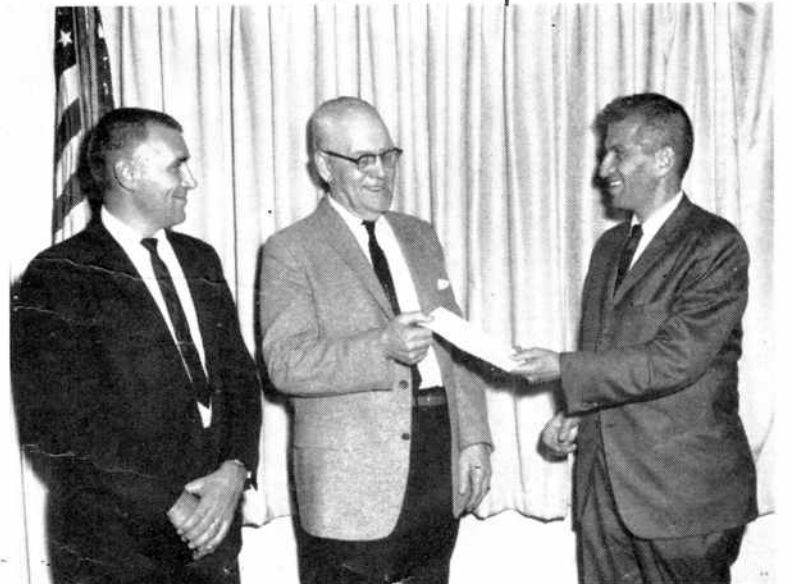
other daughter Donna Oakley (married to Merle Oakley) lives in Waverly, Ohio. Mrs. Oakley is the amateur golf champion for women in the state of Ohio, lending evidence that sports ability is an inherited trait.

Married Clara Hicks

Mrs. Nygard is the former Clara Hicks. The Nygards met at a dance in their early life in Minnesota. Nygard recalls that it was Clara's sister and her husband that introduced his future wife to him.

The Nygards lived in the outskirts of Duluth during the Big Depression. Mrs. Nygard tells this one on her husband. Many of the school children in Duluth did not have enough to eat. The Nygard children were asked by their father to take two lunches to school every day to share them with their fellow students. Other

Continued on Page 4



A SPECIAL SALUTE TO Martin L. Nygard, who left Y-12 last week, after more than 36 years with Union Carbide, was held at the Alexander Hotel. Here Mechanical Operations' Robert Cable looks on left, as Spears Vavalides, right, gives the retired Nygard his first retirement check from Union Carbide Corporation. The veteran Y-12er plans to return to his native Minnesota to farm.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division of



UNION CARBIDE CORPORATION
JAMES A. YOUNG Editor

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Post Office Box Y
Oak Ridge, Tenn.
Bldg. 9704-2 Room 149
Telephone 7109

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

15 YEARS

Charles O. Johnson, Research Services, November 10.
Joseph W. Gossage, H-2 Shop, November 10.

Edward F. Smith, General Machine Shop, November 12.
Wynetta W. Patterson, Cafeteria, November 13.

10 YEARS

Samuel H. Floyd, Process Maintenance, November 7.
John C. Webb, Janitors Department, November 7.

Don E. Troutman, Electrical Engineering, November 7.
James C. Brewer, Special Mechanical Production, November 9.

Warren C. Kitchings, Production Inspection, November 9.
Marion Chludzinski, Building, Grounds, and Maintenance Shops, November 10.

Roy M. Martin, Building, Grounds, and Maintenance Shops, November 11.

Freeman B. Parrott, Electrical, November 11.

Lewis C. Watson, General Weld Shop, November 12.

Karl E. Kahley, Product Processing, November 12.

Mechanical Operations To Hold Holiday Dance

The Mechanical Operations Division is having what looks like the first holiday party of the season. The dance planned for Friday, November 30, from 9 p.m. until 1 a.m. will take place at the Oak Terrace ballroom, Oak Ridge. Dave Blessing, popular Y-12 musician, and his orchestra will provide music for the gala affair. Tickets are available throughout the entire division for the holiday dance.

Oxford Man To Lead ORNL Joint Seminar

A joint Physics-Chemistry Division seminar will be held this Friday on the Raman Spectroscopy. Leading the discussion will be Leonard A. Woodward, Oxford University, Oxford, England. He will speak on "Recent Studies in Raman Spectroscopy at Oxford University."

The meeting will be held at 3:15 p.m. Friday, November 9, in the East Auditorium, of Oak Ridge National Laboratory's 4500 Building.

AEC Begins Personnel Recruitment Program

The Atomic Energy Commission is initiating a nation-wide personnel recruitment program to obtain experienced, well-qualified engineers and scientists to fill authorized positions at AEC's headquarters and its field office through the United States. Salaries will range from \$8,025 to \$17,925 a year.



The water cooler philosopher next door says that "Life is one fool thing after another . . . love is two fool things after each other."

Other news around the plant starts in

INDUSTRIAL RELATIONS

The Fire and Guard Department welcomes J. T. Riddle back after a seige of illness.



Kyle Douglas Reynolds

Look at this "big feller." He's little Kyle Douglas "Doug, if you please" Reynolds, son of Lt. R. E. Reynolds. Doug is just three years old and weigh 37 pounds. Mighty fine boy, too!

A man who think he knows it all is especially annoying to those of us who do.

FINANCE AND MATERIALS



Denise Leslie Dunlap

Celebrating her second birthday Sunday, November 4, was this little doll, Denise Leslie Dunlap, daughter of Mr. and Mrs. Cleon Hartman. Her mother Pat Hartman is in Microreproduction and Engineering Services. Her father, a former Y-12er, is with the College Life Insurance Company of America. Both her grandparents are in Y-12 also, Willie H. Bonney, Z Area Assembly; and Orel C. Hartman, Mail Room. Celebrating Denise's birthday with her at home at 126 East Arrowood Road were 10 of her little friends along with their mothers.



A/3 Bob Eubanks

After a 17 day visit at home Bob Eubanks, son of Mr. and Mrs. S. P. Eubanks, has returned to duty at Shreveport, Louisiana, where he will continue his training in the Air Force. His basic training took place at Amarillo Air Force Base, in Texas. Young Eubanks' father is in Y-12's Mail Department.

Microreproduction and Engineering Services has E. W. Cook vacationing this week in Cincinnati.

A gossip is a person who puts two and two together—even if they're not.

SHIFT SUPERINTENDENTS AND UTILITIES

Welcome back to E. R. Bailey, who has been out ill . . . C. D. Langley saw-milled on his long break . . . J. A. Wade farmed . . . J. H. Thomas loafed at home . . . K. E. Caughron vacationed around home last week.

On a 'honey-do' vacation last week was R. G. Hurst . . . O. F. Jordan went to Louisville, Ky. to see his brother who was in a motorcycle accident . . . A. H. Schubert visited relatives in Memphis then on to New Orleans . . . S. F. Creigh vacationed in Cincinnati and Louisville visiting in-laws . . . F. C. Lowry is on two weeks vacation . . . didn't say where . . . Best wishes to Jackie Ward, out ill.

Just the thought of getting into hot water keeps some people clean!

DEVELOPMENT

Two new employees are welcomed into the Metallurgical Development Department . . . Jerry L. Cadden and Charles J. Roesch . . . also the welcome mat is out for co-opper Wayland Stallard.

Mr. and Mrs. John Pridgeon are the proud parents of their second daughter, Laurel Lynn. She arrived at Oak Ridge Hospital, Saturday, October 24, weighing six pounds, eight ounces.

A senior citizen is a man who does not care where his wife goes, just so he doesn't have to go with her.

ENGINEERING

Tool Design has the welcome mat out for Hollis Stamey new employee who hails from Lenoir City . . . Vacations find Beaman Fox just resting around home in Knoxville . . . John W. Hill moving his household finds the vacation a gigantic task . . . Bill Galyon vacationed by grouse hunting and returned with a mounted trophy of grouse feet. The similarity of the trophy feet with the chickens in his freezer raise serious doubts . . . Bill Forrester is all ready for the "Deer" season.

John Bassett spent the past weekend in Gatlinburg . . . R. E. Weber motored down to Fayetteville.

Congratulations to H. W. Schrader who is the proud father of a new daughter, Angela Gale, born October 30 and weighing seven pounds and two ounces.

The group in Beta 4 plans a farewell get-together for R. E. Weber on November 10 at the Park Hotel—he's leaving for Huntsville, Alabama and our best wishes go with him.

MECHANICAL OPERATIONS

The A-2 Shop has George Wylie planning to visit his mother in Oxford, Mississippi . . . L. L. Ellis, H. L. Hay and G. L. Carden took off on vacations without letting anyone know . . . C. M. Rockholt and M. D. Broadway are out



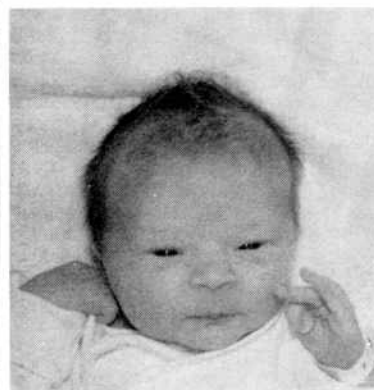
REIGNING ROYALTY AT CLAXTON SCHOOL is this winsome pair, both first-graders, and both children of Y-12ers. At left is David Williams, son of John W. Williams, Production Analysis. At right is Terry Kendrick, daughter of E. J. Kendrick, Fire Department. The October 20 "Fun Night" at Claxton Grammar School brought out families representing every grade in school. Many contestants other than the above winners were also offsprings of Y-12ers. The fall carnival is an annual event at the school.

with ailments, best wishes to them. Deepest sympathy to C. H. Dorr whose grandmother died recently.

F-Area in the Special Mechanical Production Department is reliably reporting that W. J. Hatcher was quite successful on his pleasant pheasant hunt in South Dakota recently . . . A. T. Bradford is vacationing in the garden spot of the world . . . at home! . . . J. L. Armes is still on the ailing list and best wishes to him.

Beta Four reports J. E. Barnes and E. F. Gibson out ill and best wishes to them . . . A. R. Lindsey and P. Miller took Fall vacations.

Everyone is happy to hear that Jim Craig's teeth are not hurting. Chattanooga saved him one tooth, anyway.



James Edward Kilby

From Beta Four's Heavy Machine Shop comes this light, little fellow . . . weighing seven pounds, 14 ounces. He is James Edward Kilby, son of James A. Auby. Born Sunday, October 28 at St. Mary's Hospital, Knoxville, little Jimmy arrived at the untimely hour of 12:03 a.m.

The H-2 Area has W. S. Porter, W. J. Foley and P. A. Fritts on vacation but did (none of them) not reveal whether they goest if they goest at all.

Get well wishes are extended to Jim Nash's wife, Margaret, who underwent an operation last week.

Everyone in the shop seemed to be in especially good spirits last week . . . probably due to the Vol's smashing upset of Chattanooga . . . Of course, Wake Forest helped some, too.

Beta Two has R. B. Dugger, C.

Metals Society Education Series Starts Tonight

The Oak Ridge Chapter of the American Society for Metals is planning an educational series entitled "The Use of Computers in Solving Engineering Problems."

The first in the series opens tonight and tomorrow November 7 and 8 at 8 p.m. in Room 106 Estabrook Hall at the University of Tennessee. The second part, dealing with digital computers, will be held Monday and Tuesday, November 12 and 13 at 8 p.m. in the auditorium of the Central Data Processing Facility at ORGDP, Oak Ridge.

Dr. John Prados of the department of chemical and metallurgical engineering from UT will conduct the discussion of analog computers. The sessions on digital computing will be under the direction of J. E. Rowe of the CDPF staff. J. E. Murphy will also discuss the philosophy of digital computation and the general types of engineering problems to which it is best suited.

The series is open to any interested participants. A fee of \$1 per night, or \$3 for the complete series will be the charge. Additional information may be had concerning the courses by calling H. L. Yakel, ORNL.

M. Richman and R. Gregory vacationing, but not where.

From Building 9201-1 goes congratulations to John Cooley the proud grand-pop of a new granddaughter, Sheridan Marie, who arrived October 26 and weighed in at eight pounds and fifteen ounces . . . Congratulations to W. R. Tuck, also, who took the matrimonial vows on October 13. The new Mrs. Tuck is the former Wanda Evelyn Kellar of Maryville, Tennessee . . . S. J. Vaden is vacationing this week and will help inaugurate the deer hunting season . . . Get well wishes are sent to W. C. Jones, F. D. West and J. P. Dillard on the ailing list.

Let's go home!

Your badge says you are a preferred citizen. Wear it while in the plant.

Rebels Win; Hold Lead In Classic

Swingsters Also Win; Hang Onto 2nd Place

The Classic League last week found the Rebels continuing to hold the top spot by "goose-egging" the Tigers by four points. Taking their opponents by the same route were the Screwballs over Wasps, and the Cubs over the ever threatening and vulnerable Wolves. Winning by three points found the Swingsters plastering the Smelters, the Markers rolling over the All Stars, the Rippers clawing the Eight Balls, and the Has Beens bumping the Bumpers. Splitting four points were the Sportsmen and Playboys.

Individual scratch highs for the week found J. W. Halsey, Sportsmen, taking the single game with a 221, and Len Hart, Bumpers, taking the series with a 586. Handicap-wise it was Al Fischer, Smelters, capping the single game with a 240, and Harry Keen, Playboys, took the series with a 636. Team highs found the threatening Swingsters taking both the single scratch and handicap with scores of 966 and 1089. The scratch series went to the Bumpers with 2557, and the handicap series to the Playboys with 2836.

League standings follow:

Team	Won	Lost
Rebels	26	10
Swingsters	24	12
Markers	23	13
Rippers	21	15
Screwballs	21	15
Cubs	20	16
Tigers	19	17
Bumpers	19	17
Sportsmen	19	17
Has Beens	19	17
Wolves	16	20
Smelters	16	20
Wasps	14	22
All Stars	14	22
Playboys	9	27
Eightballs	8	28

Hi Lifers Keep 2 Point Lead In C League

The Hi Lifers grimly held onto their lead in the C League for Y-12 bowlers last week by clipping the Hookers for the full four-point count. Equal determination was exerted by the next two teams in league standings as the Sunflowers shaded the SP's and the Lucky Strikes clipped the C Shift gang. The Strikers struck the Screwballs and the Rodders rammed the Par Busters by the full count also. Splitting two points each were the Rounders and the Big Five.

Wayne Groppe, Lucky Strikes, rolled a 233 scratch game; Ernest Ely, Rodders, had a 256 handicap; while J. W. Halsey, Sunflowers, took series scores with a 633 scratch, 690 handicap total. The Sunflowers took highs all the way with scores of 959, 1069, 2764, and 3094.

League standings follow:

Team	Won	Lost
Hi Lifers	26	6
Sunflowers	24	8
Lucky Strikes	22	10
Rounders	21	11
Big Five	17	15
Strikers	17	15
C Shift	13	19
Par Busters	12	20
Rodders	12	20
Hookers	10	22
SP's	10	22
Screwballs	9	23

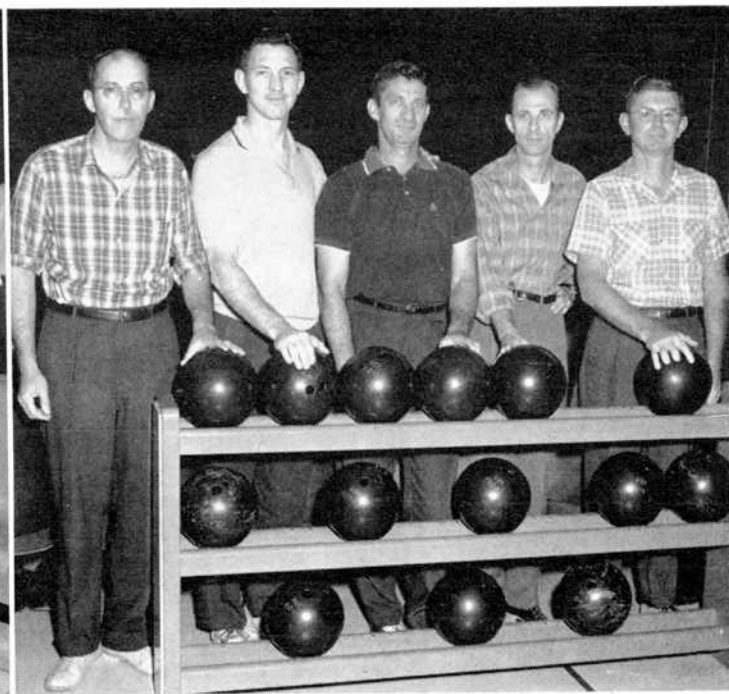
Turkey Shoots Continue At Ridge Firing Range

Turkey shoots continue every Wednesday, according to local Oak Ridge Sportsmen's Association members. The firing begins at 7 p.m. each week, and will last throughout the holidays, until December 19.

Firearms and ammunition are furnished at the field, on the west side of Oak Ridge. All target-men are welcome to test their skill for a turkey or a ham.



POWERHOUSES IN THE BUSH LEAGUE pose before hitting the alleys in a recent bout at Ark Lanes. At left are the Rusty Five men, lining up from the left, F. C. Stoetzel, Capt. C. W. Craven, David Whitehorn, J. W. Halsey and Tom Fox. The



team at the right bears another "five" name, the Lucky Five. They are W. U. Pokela, Capt. Bill Fleishman, Ed Lang, Tom Hudson and Irv Speas. The 10-team league has some of Y-12's top bowling stars.

Y-12 Ties Lab 22-Riflemen In Firings

Y-12 broke even with the ORNL team last week in firings in the 22 Calibre Rifle League. The Independents, still going strong, took six points, while the ORNL, Y-12 teams took only three each. The Independents had total scratch firings of 1419 and handicap tallies of 1455.371. ORNL's team had 1412, 1441.120, while Y-12 came through with 1358, and 1446.198.

W. J. Brown, on the Y-12 team, fired a 290.987 handicap score to lead the field for Y-12ers, while Bob Powers registered a 287 scratch total.

The Independents saw Dave DeWalt with 290 scratch and A. Walsten with a 291.283 handicap total.

League standings follow:

Team	Points
Independents	41
ORNL	35
Y-12	20

Mixed League Is Goofers' Delight

Pin Plasters Win; Only 3 Points Away

The Goofers continued their rampage in the Mixed League for Y-12 Bowlers last week by taming the Cool Cats for the full count. The only other full-scale win was registered by the cellar-dwelling Toppers who topped the Scrappers. Taking three points were the Pin Plasters over the Alley Cats and the Ghosts over the Phantoms.

Ruby Lucas, Phantoms, took high individual games with a 165 scratch and 207 handicap game. Sam Bishop, of the same team, rolled a 220 game scratch boosted to a 262 handicap game. Ruby came back and took high scratch series with 427, while Georgia Rader, Pin Plasters, took series handicaps with 566. On the male side, it was C. G. Gaylor, Pin Plasters, with scratch series highs of 519, and Dary Daws, Goofers, took high handicap series with 619. The Goofers took scratch highs with 590 singles and the Ghosts took scratch series with 1723 while the Toppers took handicap highs with 774 and 2261 single and series scores respectively.

Team	Won	Lost
Goofers	25	3
Pin Plasters	22	6
Phantoms	14	14
Ghosts	14	14
Cool Cats	13	15
Alley Cats	10	18
Scrappers	9	19
Toppers	5	23

Tie Develops Again In Bush Bowling!

Reagents Move Up To Rollmasters

The Bush League for Y-12 bowlers mixed up the lead again last week as a two-way tie developed in the closely contested race. The Reagents moved up to tie with the Rollmasters as they took four points from the Seven Sixties (The Reagents, that is.) The Rollmasters dropped three to the Rollniks, themselves in fourth place now. Another four-point victory was scored by the Rusty Five over the Alley Gators. Three point wins were taken also by the Dry Hides over the Lucky Five, and the Beavers and Hi Balls split two each.

Paul Febbo, Hi Balls, rolled a 236 scratch game, extended to a 278 handicap game. Roy Scates, Reagents, took high series scratch honors with a 588 while J. W. Halsey, Rusty Five, took high high handicap series with 688. The Rusty Five swept the board teamwise with scores of 886, 1038, 2433, 2926.

League standings follow:

Team	Won	Lost
Rollmasters	23	9
Reagents	23	9
Seven Sixties	20	12
Rollniks	19	13
Lucky Five	17	15
Hi Balls	16	16
Dry Hides	15	17
Rusty Five	14	18
Beavers	12	20
Alley Gators	1	31

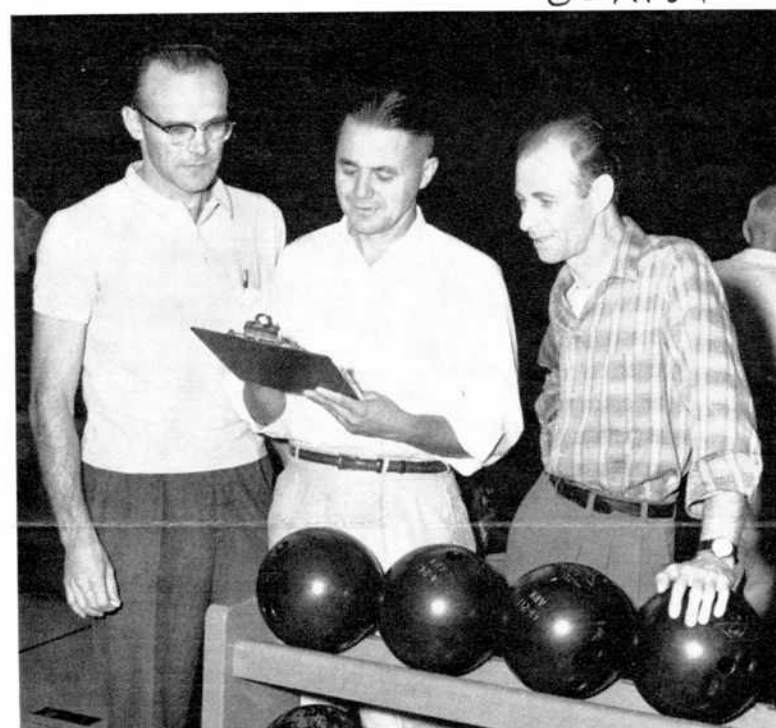
Shift Combination Has Big Lake Rodeo

Saturday, October 13, was a big day for the E, F, G, H, and J. Shiftmen as they combined for a final fishing rodeo of the year. Pretty weather brought out 99 anglers to fish out the waters of Pellissippi Point. (Pellissippi got its name from the old name for Clinch River . . . the Cherokees called the Clinch, the Pellissippi.)

Officials of the rodeo say that more than that were there, but only 99 registered in the successful outing. Winners were listed as A. J. Hardwick, walleye; E. B. Blair, largemouth; B. O. Miller, L. E. Pate and B. D. Cofer, smallmouth; A. K. Self, crappie; Omer Rhea, striped bass; E. E. Burdette, bream; and O. C. Collins, cat. Door prizes were won by O. E. Hatmaker and William Stoddard, while A. K. Self took the door prize.

Issac Waltons on the shift combos, in winding up the season, hastily add: "See you next Spring, fishermen!"

Give an All-American performance for security.



THE BIG BUSH LEAGUE officials here check standings in the latest league tally. From left, are Troy Burklow, secretary; Lou Kovack, vice president; and Tom Hudson, league president. This particular Y-12 bowling league boasts some of the highest averages in the plant.

Matheney High Handicap Man In Pistol Set

Handicap firings in the Y-12 Pistol League saw R. L. Matheney take highs with a 291.684 score. High scratch firings were scored by Dave Alford, with 272, R. A. Schumaker and C. Beeler with 265 each. Other handicap leaders saw Beeler take 290.942 and Schumaker with 289.724.

The firings are held Tuesday nights at the Anderson County Gun Club, Clinton.

Firer	Scratch	Handicap
R. L. Matheney	255	291.684
C. Beeler	265	290.942
R. A. Schumaker	265	289.724
W. A. Less	236	289.318
T. J. Bush	253	288.767
L. A. Shular	209	287.979
Dave Alford	272	287.896
Glen Davis	207	287.380
J. H. Shoemaker	234	286.272
Joel Malone	230	285.979
M. L. Woodard	202	285.604
O. C. Beatty	196	283.880

Great Pyramid Demanded Accurate Measurements

Accurate, standardized measurements are often the mark of civilization. Such accuracy enabled the Egyptians to construct the Great Pyramid so its sides varied only 1/20 of one per cent. They did it with the Royal Cubit . . . the first known ruler, equal to the length of a forearm plus the palm of a hand.

Foursquares Win Again In E League

The Foursquares continued their winning form last week in the E League by trouncing the Cannonballs by three points. Winning by the same margin were the Ten Pins over the Pinquins. The Pintwisters and Alleybees split, taking two points each.

Harry Hays, Pintwisters, and Leon Hensley, Alleybees, tied for scratch single game honors with a 179. Hays also took the individual scratch series with 480. Fred Jones, Foursquares, took individual handicap single with a 228 and handicap series with 620. Teamwise found the Pintwisters taking high scratch single with 598 and scratch series with 1724. Handicap highs went to the Alleybees with 756 for the single, and the Foursquares took the series with 2178.

Team	Won	Lost
Foursquares	25½	10½
Pintwisters	20	16
Ten Pins	19	17
Pinquins	16½	19½
Alleybees	16	20
Cannonballs	11	25

ANIMAL KINGDOM TOLL

People aren't the only ones slaughtered on the nation's highways. Approximately 300 million birds and animals are killed annually or crippled on the highways.

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LRL's Marcellin Is Guest At AWS Meeting

Visitor Will Speak
On Beryllium Welding



W. J. Marcellin

The Northeast Tennessee section of the American Welding Society will meet next Tuesday, November 13, at Deane Hill Country Club, Knoxville, in a dinner meeting. The social hour is set for 6:30 p.m.

Guest speaker will be W. J. Marcellin, from the University of California's Lawrence Radiation Laboratory. After 10 years of general welding experience, Marcellin attended the California State Polytechnic College where he received a BS degree in mechanical engineering. Subsequently, he studied welding processes and design at the same institution. For the past four years he has been associated with the process and materials group at LRL. His talk will be of general interest even though the title "Joining of Beryllium" would indicate otherwise. It will cover beryllium and aluminum metallurgy, weld metal porosity, automatic welding equipment, arc phenomena and weld design. A 15-minute color film and several slides will accompany his presentation.

Everyone is invited to attend the dinner or technical session or both of the AWS planned functions. Dinner is scheduled for 7 p.m. and will cost \$3 per person. Details may be had from any AWS member.

Ladies' Night At ASME Meeting Tomorrow Night

Tomorrow, November 8, marks ladies' night for the Oak Ridge Subsection of the American Society for Mechanical Engineers. Their dinner meeting, with a social hour beginning at 7 p.m., will be held at the Holiday Inn, Oak Ridge.

An interesting feature of this meeting will be the color film, "Friendship Seven" which was shot in and around the Mercury capsule that took John Glenn around the earth in his historical orbits. Reservations should be made through J. C. Cox, extension 7705. All visitors will be welcome to the dinner or the technical session.

Carry out your security assignment.

Spot Bid Sale Has Many Useful Items

Another "Spot Bid Sale of used government-owned vehicles and office equipment will be held at Warehouse No. 9929-1, off Bear Creek Road, west of the Y-12 area.

Inspection of the equipment may be made today, November 7, through November 9, and November 12, 13 and 14 up to the time the bids are closed for each lot. The bids will be opened at 10 a.m. November 14.

Included in this sale are 17 carryalls, 37 pick-ups, six sedans, seven Reo trucks, one Reo dump truck, one panel truck, one wrecked pick-up, eight typewriters, one varityper, one recorder, one transcriber and one Monroe calculator.

Successful bidders will be allowed until 3:30 p.m. November 23, 1962 to pay for items awarded to them. Any awards not paid for at that time will be cancelled.

For further information on the sale, telephone extension 4601.



Ride wanted from West Haven Shopping Center, Knoxville, to Central or West Portal, straight day. Mary Ellen Boyd, plant phone 7-8387, home phone Knoxville 525-8018.

Ride wanted from Dutch Valley at Delden Road, Knoxville, to Central or West Portal, straight day. J. P. Powers, plant phone 7-8484, home phone Knoxville 689-6556.

Ride wanted from Clinton to West or Bear Creek Portal, straight day. J. F. May, plant phone 7-8352, home phone Clinton 457-2986.

Ride wanted from Karns High School vicinity (Beaver Ridge Road) to Central Portal, straight day. Joyce Casteel, plant phone 7-8043, home phone Knoxville 588-8355.

Will join or form car pool from East Village, Oak Ridge, to North Portal, straight day. M. M. Satterfield, plant phone 7-8612, home phone Oak Ridge 482-1830.

Riders wanted from Woodland Area to West Portal and possibly other portals, straight day. Plant telephone 7-8848, home phone Oak Ridge 483-0515.

Rider wanted from South Knoxville to West Portal, H Shift. Melvin J. Case, plant phone 7-8086, home phone Knoxville 577-0009.

Riders wanted from Clinton to West or Central Portal, H Shift. L. R. Brooks, plant phone 7-8086.

Rider Wanted (one) from Pine Hills, Harriman to West or Bear Creek Portal, straight days. R. W. Curtis, plant phone 7-8465, home phone 882-9291 Harriman.

Wedding Business Boomed In United States In '61

Approximately 1,549,000 couples marched to the altar in the United States last year, an increase of 1.4 per cent over 1960's figures. Among the states, Alaska led the parade with a 12 per cent increase in the number of marriages.



SALUTING 36 YEARS OF COMPANY SERVICE, compiled by Martin L. Nygard, are the above men. From left are J. B. Scott, a superintendent at the Oak Ridge Gaseous Diffusion Plant, Milton Dickens, R. E. Cable, M. L. Cook, Nygard, S. P. Vavalides and D. H. Rader, Jr. The group is part of the party that hosted a testimonial dinner for Nygard October 30. 6-11285

Martin L. Nygard

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parents in the area decided to do likewise, and the Parent Teachers Association began giving money for milk for the school children.

The retiree plans to return to his native Minnesota to live out his retirement on a farm there . . . raising cattle in the dairy center of the universe. "It's too hot and humid in this section here, much cooler in Minnesota," Nygard explains. A quick almanac check shows that winters in the mid-western state sometimes produce temperatures 20 to 40 degrees below zero! It's cooler there, all right!

The five-room farm house will probably have to be expanded. The 11 grandchildren claim they are going to spend their summer's with grandpa . . . so expansion is in order.

Dinner Given

Friends and co-workers of the tired Nygard in Mechanical Operations, gathered for a testimonial dinner Tuesday, October 30, to bid farewell to the old-time Carbide. Many humorous stories and anecdotes were related concerning the years he has spent here and at other UCC installations.

Enrolled in the contributory retirement plan, Nygard also has far more than the necessary 10 years to qualify for benefits under the UCC Pension Plan.

Y-12ers all salute Nygard for his many years of Carbide service and wish him the very best of happiness and long-life back in his native Minnesota.

Instrument Society Sets Meeting For Next Week

The Oak Ridge Section of the Instrument Society of America will hold a regular meeting at 8 p.m. next Wednesday, November 14, at the Ridge Recreation Hall, Oak Ridge.

The speaker will be C. L. Mamzic, Moore Products Company, who will speak on "The Application of A Peak Seeking Optimizer." Members as well as guests will be welcome to attend the ISA meeting.

November Originally Meant Number 'Nine'

The month of November gets its name from the Roman word for nine, "Novem." In the old calendar November was actually the ninth month of the year. The month has only 30 days. The only official holiday for Y-12ers marked this month is November 22, Thanksgiving Day.

Security is a year round job.



A SCROLL WAS PRESENTED MARTIN NYGARD for his long and faithful years of service to Carbide at his dinner held October 30, at the Alexander Hotel, Oak Ridge. Emcee Milt Dickens here makes the presentation to Nygard, as R. P. Brown looks on from the right.

Glenn T. Seaborg

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sity. In 1954, he was named Associate Director of the Laboratory, a position which he resigned upon coming to the Commission.

President Truman, in 1946, appointed Dr. Seaborg to the first General Advisory Committee of the AEC, a post he held until 1950. He was a member of the Joint Commission on Radioactivity of the International Council of Scientific Unions from 1946 to 1956; of the Committee on Standards and Units of Radioactivity of the National Research Council from 1947 to 1951, and of the President's Science Advisory Committee from 1959 to 1961.

In 1953, Dr. Seaborg was appointed Chancellor of the University of California at Berkeley. He served in that capacity until his appointment to the AEC. He was nominated to the Commission by President Kennedy on January 21, 1961 and was designated Chairman of the Atomic Energy Commission by the President on March 1, 1961.

While in Oak Ridge Chairman Seaborg conferred with local AEC officials, visited the three plants here. He spoke at the 14th Southeastern Regional Meeting of the American Chemical Society in Gatlinburg, which began there November 1.

ROTTERDAM DUTCH

Rotterdam, located along the principal mouth of the Rhine River, ranks second only to New York as a world harbor.

Secretaries Will Hear Dannenberg

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company her husband at this function.

Now in its 20th year, NSA was established to improve secretarial standards and is the world's largest organization of business women in one profession with a membership of more than 22,000 in chapters throughout the United States, Canada, Mexico, Puerto Rico and Finland. Several Y-12 secretaries are active in the local chapter.

TVA's Chambers Guest At AIEE Meet Thursday

The Oak Ridge section of the American Institute of Electrical Engineers will meet tomorrow, Thursday, November 8, at the Ridge Recreation Hall, Oak Ridge. The AIEE meeting will begin at 7:30 p.m.

Featured speaker will be Fred Chambers, assistant director, Tennessee Valley Authority division of power planning and engineering. He will speak on high voltage transmission of power in the Soviet Union. Chambers recently toured the USSR and will have many slides to accompany his interesting talk. Visitors are welcome, AIEE officials state.

BABY FACTS

Approximately 800,000 couples apply annually in this country to adopt babies. There are only 90,000 available for foster parents each year.